

Solid Waste Stabilization and Disposition/Soil and Water Remediation Groundwater and Vadose Zone/Operate Waste Disposal Facility

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Initiation of
Transuranic Retrieval



INTRODUCTION

This section addresses Project Baseline Summary (PBS) RL-0013, *Solid Waste Stabilization and Disposition*; RL-0030, *Soil and Waste Remediation Groundwater/Vadose Zone*; and RL-0080, *Operate Waste Disposal Facility*

NOTE: Unless otherwise noted, all information contained herein is as of the end of October 2003.

NOTABLE ACCOMPLISHMENTS

Transuranic (TRU) Waste Program: Completed four shipments to the Waste Isolation Pilot Plant (WIPP) in October. The Head Space Gas Sampling Accelerated Processing Unit (APL) is now operational in 2402WC at the Central Waste Complex (CWC). The first batch of SUMMA head gas samples were shipped to the Idaho National Environmental and Engineering Laboratory.

TRU Waste Retrieval: Initiated limited TRU waste retrieval operations on October 16, 2003. As of October 29, 2003, 29 drums have been retrieved from burial ground 218-W-4C and transported to the CWC.

Mixed Low Level Waste Treatment: Completed shipments totaling 212 cubic meters (m³) of 183-H Basin waste to the Environmental Restoration Disposal Facility (ERDF) in October. A total of 1,165 m³ of 183-H waste has been disposed of at ERDF, including the first five drums of waste requiring treatment. Perma-Fix successfully completed thermal treatment of 15 m³ of waste (technology demonstration).

Liquid Waste Processing: The 200 Area Effluent Treatment Facility processed and disposed of 600,000 gallons of Operable Unit UP-1 groundwater and ERDF leachate in October. The 300 Area Treated Effluent Disposal Facility processed and disposed of 3.1 million gallons of industrial waste water. Fluor received Environmental Protection Agency approval for storage and treatment of K Basin water (two million gallons).

Groundwater Protection Program: Awarded a contract to decommission 89 additional groundwater wells by February 28, 2004.

ISSUES (AS OF NOVEMBER 10, 2003)

Buried TRU Drum Retrieval: An Authorization letter was negotiated with RL to allow start of limited TRU retrieval activities. The letter also provides an option to perform a focused Readiness Assessment (RA) for the start of excavation, which provides a high confidence plan for achieving the January 15, 2004, Tri-Party Agreement (TPA) milestone for start of retrieval operations in 218-W-4C Trench 4. Sampling in accordance with the State-approved Sampling and Analysis Plan of 218-W-4C TRU retrieval trenches vent riser pipes began on October 15, 2003. Modifications to the mobile drum venting system continue and are a few days behind schedule. Schedule recovery plans are being implemented. RL transmitted the Notice of Construction Revision 2a to the Washington State Department of Health on October 21, 2003, approximately two weeks behind the project schedule. Attention is needed by FH and RL personnel in the next two weeks to expedite approval and the RL permit appeal waiver process to avoid delay of project startup. Start of the RA contractor review is planned in mid-November 2003, with final RL RA approval/startup initiated by December 15, 2003.

ISSUES, CONTINUED

Performance Incentive (PI) Negotiations for Groundwater Protection Program: Groundwater Protection Program PI milestones need to be finalized. DOE-HQ has approved an RL version that does not meet the contractual terms for annual fee earnings. RL has prepared two alternative versions of the PI to discuss with DOE-HQ. The PI was transmitted to DOE-HQ on October 24, 2003.

FY 2004 FH FUNDS VS. FORECAST (\$000)

	FY 2004 Anticipated Funding	FY 2004 Fiscal Year Spend Forecast	Variance
RL-0013 Solid Waste Stabilization & Disposition	\$ 148,344	\$ 148,623	\$ (279)
RL-0030 Soil & Water Remediation, Groundwater/Vadose Zone	\$ 38,597	\$ 38,445	\$ 152
RL-0080 Operate Waste Disposal Facility	\$ 4,096	\$ 4,018	\$ 78
Total	\$ 191,037	\$ 191,086	\$ (49)

FY 2004 SCHEDULE/COST PERFORMANCE (\$000)

	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance \$	Schedule Variance %	Cost Variance \$	Cost Variance %	Budget At Completion
RL-0013 Solid Waste Stabilization & Disposition	11,725	7,328	8,731	-4,397	-60%	-1,403	-19%	149,833
RL-0030 Soil & Water Remediation, Groundwater/Vadose Zone	2,511	2,579	2,163	68	3%	417	16%	39,033
RL-0080 Operate Waste Disposal Facility	219	125	195	-94	-75%	-71	-56%	3,361
Total	14,455	10,032	11,089	-4,422	-44%	-1,057	-11%	192,227

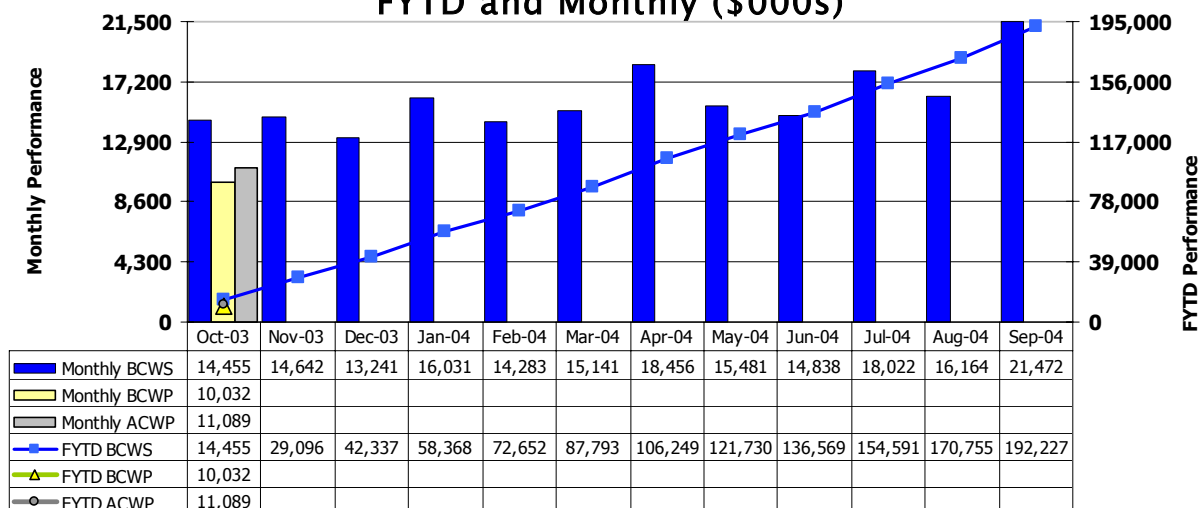
NOTE: Numbers are rounded to the nearest \$K.

Schedule Performance: The PBS RL-0013 unfavorable schedule variance (-\$4,397K/-60%) is primarily the result of TRU retrieval three months behind schedule due to Safety Evaluation Report (SER) delays and the requirement for an Independent Verification Review prior to the scheduled Readiness Assessment. Limited retrieval was initiated in October. Receipt of K Basin sludge is behind schedule and is now scheduled to start in the second quarter of FY 2004. 200 Area liquid effluent waste water processing was delayed due to equipment repairs and replacements; however, full production is scheduled to resume in late November. WIPP shipments are slightly behind schedule; Fluor is awaiting the Carlsbad Area Field Office approval of waste profiles and audit reports for APL production.

Cost Performance: The PBS RL-0013 unfavorable cost variance (-\$1,403K/-19%) is primarily the result of continuing K Basin sludge receipt preparations while awaiting the start of shipping, continuing upfront shipping preparations in the TRU Project, 200 Area liquids costs that were incurred during plant repairs, and emerging workscope in TRU retrieval to adhere to the new Safety Basis and SER requirements.

FY 2004 SCHEDULE/COST PERFORMANCE, CONTINUED

Performance Analysis FYTD and Monthly (\$000s)



MILESTONE ACHIEVEMENT

Number	Milestone Title	Type	Due Date	Forecast Date	Status/Comment
M-15-39A	Complete Chemical Sewer Group Field Work Through Sample Collection and Analysis	TPA	9/30/2003	9/30/2003	Complete 9/30/03
TRP-03-403	Optimization Plan for the Closure of the Central Plateau	RL	9/30/2003	9/30/2003	Complete 9/30/03
M-13-00N	Submit 1 200 NPL RI/FS (RFI/CMS) Work Plan	TPA	12/31/2003		On Schedule
M-24-000	Install RCRA Groundwater Monitor Wells at Rate of up to 50 in CY 2003, if required	TPA	12/31/2003		On Schedule
M-26-07A	Submit Evaluation of Status of Development of Tritium Treatment Technology	TPA	3/31/2004	3/31/2004	On schedule
M-26-01N	Submit Annual Hanford LDR Report	TPA	4/30/2004	4/30/2004	On schedule
M-016-66	Initiate Intermediate Design and Authorization Safety Analysis for Remedial Actions at the 618-10 and 618-11 Burial Grounds	TPA	9/30/2004		On Schedule
M-91-12A	Treat 240 Cubic Meters by 12/31/2004	TPA	12/31/2004	TBD	Letter of completion submitted to RL (treatment equivalency)